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**STABILIZATION OF CHROMOPHORIC SUBSTRATE, REAGENT, AND
QUANTIFICATION OF MICROINGREDIENT**

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SHIGERU**Application No.** 07192637 , **Filed** 19950706 , **Published** 19970121 ,

Abstract: PROBLEM TO BE SOLVED: To stabilize over a long period a chromophoric substrate for e.g. clinical test reagents by making NAD(P)H coexist in an aqueous solution containing a phenothiazine- or diphenylamine-based chromophoric substrate to suppress the deterioration of the substrate.

SOLUTION: When an oxidase is made to act on the microingredient(s) in a specimen and the hydrogen peroxide generated is to be detected by using a phenothiazine-based chromophoric substrate (e. g. 10N-methylcarbamoyl-3,7- bisdimethylamino-10H-phenothiazine) or diphenylamine-based substrate [e.g. bis(3-diphenylmethyl-4- dimethylaminophenyl)amine] in the presence of peroxidase, reducing-type -nicotinamidoadeninedinucleotide phosphate (NADIR) or reducing- type -nicotinamidoadeninedinucleotide phosphate (NADPH) is made to coexist to suppress the deterioration of the chromophoric substrate to stabilize it, thus ensuring a clinical test to be conducted accurately.

Int'l Class: C12Q00126 C12Q00132**MicroPatent Reference Number:** 000338866

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